

**PATENT**

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**DECLARATION AND POWER OF ATTORNEY**

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As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **Method and Apparatus for Non-Disruptive Telecommunication Loop Condition Determination**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

**NONE**

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

**NONE**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to

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receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Thomas J. Bean	(Reg. No. 44,528)
Lester H. Birnbaum	(Reg. No. 25,830)
Richard J. Botos	(Reg. No. 32,016)
Jeffery J. Brosemer	(Reg. No. 36,096)
Kenneth M. Brown	(Reg. No. 37,590)
Donald P. Dinella	(Reg. No. 39,961)
Guy Eriksen	(Reg. No. 41,736)
Martin I. Finston	(Reg. No. 31,613)
William S. Francos	(Reg. No. 38,456)
Barry H. Freedman	(Reg. No. 26,166)
Julio A. Garceran	(Reg. No. 37,138)
Jimmy Goo	(Reg. No. 36,528)
Anthony Grillo	(Reg. No. 36,535)
Stephen M. Gurey	(Reg. No. 27,336)
John M. Harman	(Reg. No. 38,173)
Matthew J. Hodulik	(Reg. No. 36,164)
Michael B. Johannesen	(Reg. No. 35,557)
Mark A. Kurisko	(Reg. No. 38,944)
Irene Lager	(Reg. No. 39,260)
John B. MacIntyre	(Reg. No. 41,170)
Christopher N. Malvone	(Reg. No. 34,866)
Scott W. McLellan	(Reg. No. 30,776)
Martin G. Meder	(Reg. No. 34,674)
John C. Moran	(Reg. No. 30,782)
Michael A. Morra	(Reg. No. 28,975)
Gregory J. Murgia	(Reg. No. 41,209)
Claude R. Narcisse	(Reg. No. 38,979)
Joseph J. Opalach	(Reg. No. 36,229)
Neil R. Ormos	(Reg. No. 35,309)
Eugen E. Pacher	(Reg. No. 29,964)
Jack R. Penrod	(Reg. No. 31,864)
Gregory C. Ranieri	(Reg. No. 29,695)
Scott J. Rittman	(Reg. No. 39,010)
Ferdinand M. Romano	(Reg. No. 32,752)
Eugene J. Rosenthal	(Reg. No. 36,658)
Bruce S. Schneider	(Reg. No. 27,949)
Ronald D. Slusky	(Reg. No. 26,585)
David L. Smith	(Reg. No. 30,592)
Ozer M.N. Teitelbaum	(Reg. No. 36,698)
John P. Veschi	(Reg. No. 39,058)
David Volejnicek	(Reg. No. 29,355)
Charles L. Warren	(Reg. No. 27,407)
Jeffrey M. Weinick	(Reg. No. 36,304)
Eli Weiss	(Reg. No. 17,765)

I hereby appoint the attorneys on ATTACHMENT A as associate attorneys in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorneys and such associate attorneys are denied any power or substitution or revocation.

**Full Name of First Joint Inventor:** **Jonathan H. Fischer**

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

**Residence: 58 Damascus Road  
Blandon, PA 19510**

**Post Office: 58 Damascus Road  
Blandon, PA 19510**

**Citizenship: USA**

**Full Name of Second Joint Inventor:** **Donald R. Laturell**

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

**Residence: 10 Highsaddle Lane  
Allentown, PA 18104**

**Post Office: 10 Highsaddle Lane  
Allentown, PA 18104**

**Citizenship: USA**

**Full Name of Third Joint Inventor:** **Lane A. Smith**

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

**Residence: 905 Schuyler Drive  
Easton, PA 18040**

**Post Office: 905 Schuyler Drive  
Easton, PA 18040**

**Citizenship: USA**

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ATTACHMENT A

John T. Synnestvedt	Reg. No. 18,117
Charles H. Lindrooth	Reg. No. 20,659
Irving Newman	Reg. No. 22,638
Alexis Barron	Reg. No. 22,702
Ronald G. Ort	Reg. No. 26,969
Peter J. Butch, III	Reg. No. 32,203
Joseph F. Posillico	Reg. No. 32,290
Mark D. Simpson	Reg. No. 32,942
Theodore Naccarella	Reg. No. 33,023
Patrick J. Kelly, Ph.D.	Reg. No. 34,638
Gary A. Hecht	Reg. No. 36,826
Stephen J. Driscoll	Reg. No. 37,564
Lisa B. Lane	Reg. No. 38,217
Joshua R. Slavitt	Reg. No. 40,816
John A. Chionchio	Reg. No. 40,954
Gregory S. Bernabeo	Reg. No. 44,032
Stephen J. Weed	Reg. No. 45,202

Telephone calls should be made to Synnestvedt & Lechner LLP at:

Telephone: (215) 923-4466  
Facsimile: (215) 923-2189

All written communications are to be addressed to:

Theodore Naccarella  
Synnestvedt & Lechner LLP  
2600 Aramark Tower  
1101 Market Street  
Philadelphia, PA 19107-2950